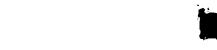
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1012 PATENT 1-3-03 PD-YR1-9

'IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: LENNY LOW ET AL.

Date: December 16, 2002

Serial No. 09/822,073

Group Art Unit: 3743

Filed: March 30, 2001

For: HEAT TRANSFER OF A REMOTE HEAT: SOURCE USING A LOOP HEAT PIPE

Examiner: Christopher. M. Atkinson

AMENDMENT

Commissioner of Patents and Trademarks Washington, D. C. 20231

Sir:

In response to the Office Action mailed June 18, 2002, please amend the above-identified patent application as follows.

IN THE CLAIMS

JAN 0 3 2003

Please amend the following Claims to read as indicted

TECHNOLOGY CENTER R3700

1. A heat transfer system comprising:

a spacecraft comprising a heat dissipating system;

a remotely-located heat source disposed on the spacecraft at a location that is remote from the heat dissipating system and which is not located on a heat pipe panel; and

a loop heat pipe thermally coupled between the remotely-located heat source and the heat dissipating system for coupling heat generated by the heat source to the heat dissipating system.

3. A spacecraft comprising:

a heat dissipating system for radiating heat into space;

a remotely-located heat source disposed at a location that is remote from the heat dissipating system and which is not located on a heat pipe panel; and

a loop heat pipe thermally coupled between the remotely-located heat source and the heat dissipating system for coupling heat generated by the remotely-located heat source to the heat dissipating system.

5. A heat dissipation method for use on a spacecraft comprising the steps of:

disposing a remotely-located heat source on a spacecraft at a location that is remote from a heat dissipating system and which is not located on a heat pipe panel;

thermally coupling a loop heat pipe between the remotely-located heat source and the heat dissipating system; and

coupling heat generated by the remotely-located heat source to the heat dissipating system by way of the loop heat pipe.











5